WHAT IS CLAIMED IS:

1. A method for automatically measuring network parameters relating to wireless network environments with a server and at least one test terminal, comprising the steps of:

5   connecting to the server when the test terminal is turned on;

sending power-on registration data representing a current test state of the test terminal, wherein the power-on registration data contains information indicating a start, interruption or end of the test in the at least one test terminal; and

if no test plan exists in the test terminal, automatically loading a test plan from the server;

10   if the test plan is loaded in the test terminal, measuring the network parameters according to the test plan; collecting and parsing the measured network parameters to obtain sets of measured network parameters; and transmitting the sets of measured network parameters to the server when there is a data transmission request from the server or a predetermined set time according to the test plan.

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2. The method of claim 1, wherein the test terminal is installed in a fixed location.

3. The method of claim 1, wherein the test terminal is mobile.

20   4. The method of claim 3, wherein the network parameters are measured by using information representing a position at which the test terminal is currently located in the wireless environment at a test start time included in the test plan.

5. The method of claim 4, wherein position information is obtained from a global

25 positioning system associated with the test terminal.

6. The method of claim 1, wherein the test terminal has a mobile station with a diagnostic monitor function to measure the network parameters and a mobile station with a data

service function to communicate data with the server.

7.   The method of claim 1, wherein the step of collecting and parsing the measured network parameters further comprise decoding and storing the measured network parameters in a storage device.

8.   The method of claim 7, wherein the step of transmitting the sets of measured network parameters further comprise:

turning on a mobile station with a data service function and connecting with the server using a modem or a RAS connection; and

sending the sets of decoded measured network parameters stored in the storage device to the server through the mobile station with the data service function.

9.   The method of claim 1, wherein the wireless network environment is a CDMA system.

10.   The method of claim 1, further comprising:

downloading updated application programs to the test terminal from the server when the test terminal is initially connected to the server.

11.   A system for automatically measuring network parameters relating to wireless network environments with a server and at least one test terminal, comprising:

means for connecting to the server automatically when the test terminal is turned on;

means for sending power-on registration data representing a current test state of the test terminal, wherein the power-on registration data contains information indicating a start, interruption or end of the test in the at least one test terminal; and

if no test plan exists in the call test terminal, means for automatically loading a test plan from the server;

if the test plan is loaded in the test terminal, means for measuring the network parameters

according to the test plan; means for collecting and parsing the measured network parameters to obtain sets of measured network parameters; and means for transmitting the sets of measured network parameters to the server when there is a data transmission request from the server or a predetermined set time according to the test plan.

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12.   The system of claim 11, wherein the test terminal is installed in a fixed location.

13.   The system of claim 11, wherein the test terminal installed in a moving object.

10   14.   The system of claim 13, wherein the network parameters are measured by using information representing a position at which the test terminal is currently located in the wireless environment at a test start time included in the test plan.

15.   The system of claim 14, wherein the position information is obtained from a global positioning system associated with the call test terminal.

16.   The system of claim 11, wherein the test terminal has a mobile station with a diagnostic monitor function to measure the network parameters and a mobile station with a data service function to communicate data with the server.

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17.   The system of claim 11, wherein the collecting, parsing and transmitting means includes means for decoding and storing the collected network parameters in a storage device.

18.   The system of claim 11, wherein the transmitting means further comprise:

25   means for turning on a mobile station with a data service function and connecting with the server using a modem or a RAS connection; and

means for sending the sets of decoded measured network parameters stored in the storage device to the server through the mobile station with the data service function.

19.   The system of claim 11, wherein the wireless network environment is a CDMA system.

5   20.   The system of claim 11, further comprising:

means for downloading updated application programs to the test terminals from the server when the test terminal is initially connected to the server.

21.   The system of claim 11, wherein the server further comprises:

10   means for handling data input and output from a web based user interface; and

means for transferring to the test terminal control commands including the test plan and terminal software received through the web based user interface.

22.   The system of claim 11, wherein the server further comprises:

15   means for showing current RF status coming from the test terminal;

means for sending alarm list generated based on RF status coming from the terminal to users by email;

means for showing current data transmission status between the test terminal and the server on a web based user interface; and

20   means for sending HTML RF analysis reports generated by analyzing the collected network parameters stored in a database.

23.   An article of manufacture containing code for automatically measuring network parameters relating to wireless network environments having a server and at least one test

25   terminal, comprising a computer usable media including at least one computer program embedded therein that is capable or causing at least one computer to perform:

connecting to the server automatically when the test terminal is turned on;

sending power-on registration data representing a current test state of the test terminal, wherein the power-on registration data contains information indicating a start, interruption or end

of the test in the at least one test terminal; and

 if no test plan exists in the test terminal, automatically loading a test plan from the server;

 if the test plan is loaded in the test terminal, measuring the network parameters according to the test plan; collecting and parsing the measured network parameters to obtain sets of measured network parameters; and transmitting the sets of measured network parameters to the server when there is a data transmission request from the server or a predetermined set time according to the test plan.